

# Roberta Signini

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

17  
papers

477  
citations

11  
h-index

21  
g-index

21  
ext. papers

571  
ext. citations

3.9  
avg, IF

3.61  
L-index

#	Paper	IF	Citations
17	Efficiency of water treatment with crushed shell of jatobá-do-cerrado ( <i>Hymenaea stigonocarpa</i> ) fruit to adsorb Cu(II) and Ni(II) ions: experimental and quantum chemical assessment of the complexation process. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 60041-60059	5.1	2
16	Carboxymethyl chitosan hydrogel formulations enhance the healing process in experimental partial-thickness (second-degree) burn wound healing. <i>Acta Cirurgica Brasileira</i> , <b>2021</b> , 36, e360303	1.6	4
15	Soybean hulls: Optimization of the pulping and bleaching processes and carboxymethyl cellulose synthesis. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 144, 208-218	7.9	7
14	Sorghum straw: Pulping and bleaching process optimization and synthesis of cellulose acetate. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 135, 877-886	7.9	17
13	Design of apolar chitosan-type adsorbent for removal of Cu(II) and Pb(II): An experimental and DFT viewpoint of the complexation process. <i>Journal of Environmental Chemical Engineering</i> , <b>2019</b> , 7, 103070	6.8	15
12	Inhibition of bacterial biofilms by carboxymethyl chitosan combined with silver, zinc and copper salts. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 105, 385-392	7.9	25
11	Optimization of carboxymethyl chitosan synthesis using response surface methodology and desirability function. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 85, 615-24	7.9	116
10	Microwave-assisted carboxymethylation of cellulose extracted from brewer's spent grain. <i>Carbohydrate Polymers</i> , <b>2015</b> , 131, 125-33	10.3	35
9	Extração, estruturas e propriedades de alfa- e beta-quitina. <i>Quimica Nova</i> , <b>2007</b> , 30, 644-650	1.6	53
8	Effects of sonication on the reactivity of chitin toward its heterogeneous deacetylation. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2002</b> , 51, 695-700	3	9
7	Effects of additives and inert gas bubbling on the deacetylation of chitosan. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2002</b> , 51, 701-709	3	4
6	On the sonication of chitin: effects on its structure and morphology and influence on its deacetylation. <i>Polymer Bulletin</i> , <b>2001</b> , 47, 183-190	2.4	13
5	Efeito de Aditivos na Desacetilação de Quitina. <i>Polimeros</i> , <b>2001</b> , 11, 169-173	1.6	4
4	Características e propriedades de quitosanas purificadas nas formas neutra, acetato e cloridrato. <i>Polimeros</i> , <b>2001</b> , 11, 58-64	1.6	25
3	On the stiffness of chitosan hydrochloride in acid-free aqueous solutions. <i>Carbohydrate Polymers</i> , <b>2000</b> , 43, 351-357	10.3	20
2	On the preparation and characterization of chitosan hydrochloride. <i>Polymer Bulletin</i> , <b>1999</b> , 42, 159-166	2.4	112
1	Purificação e caracterização de quitosana comercial. <i>Polimeros</i> , <b>1998</b> , 8, 63-68	1.6	13

